

## Example Configuration Data File for the Primary Name Server of the foo.MicronPC.com Zone

primary primary

foo.MicronPC.com stanford.edu

db.foo.MicronPC db.stanford

Figure 2A

## Example db.foo.MicronPC Zone Data File for the foo.MicronPC.com Zone

foo.MicronPC.	com.	IN S	SOA	ns1.HostPro.com.	postmaster.HostPro.com.	(
;;; information:	for sla	ve name	servers			
		183	7	;;; serial number for	this version of the zone data fil	e
		1800	0	;;; refresh after 30 n	ninutes	
		90	0	;;; retry after 15 min	nutes	
		8640	0	;;; expire after 1 we		
		180	0	;;; minimum Time T	To Live (TTL) of 30 minutes	
			)			
;;; name servers	s for tl	he zone				
	IN	N:	S ns	s1.HostPro.com.		
	IN	N:	S ba	ar		
;;; mail server						
	IN	M	K 5	mailserver.HostPro.co	om.	
;;; addresses						
@	IΝ	A	A 2	16.23.39.188		
foo	IN	A	<b>A</b> 2	16.23.39.180		
bar	IN	A	A 2	16.23.46.83		
;;; aliases						
smtp	ΙN	CNAMI	_	) ·	·	
www	IN	CNAMI		)		
ftp	IN	CNAMI	$\Xi$ fo	oo.foo.MicronPC.com.		
bigdaddy	IN	CNAMI	E ba	ar	Figure	2R
					I ISMI C	

## Example Partial Zone Data File for the MicronPC.com Zone

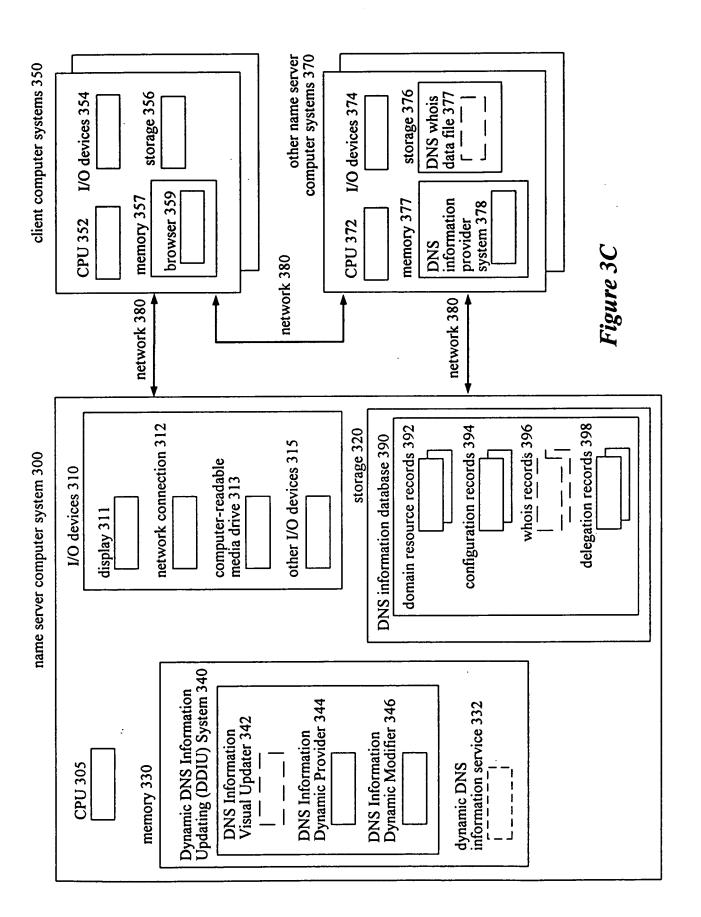
;;; delegation of subzone fo	o.MicronP	C.com	to authorita	ative name servers for the subzone	
foo	86400	IN	NS	ns1.HostPro.com.	
	86400	IN	NS	bar.foo.MicronPC.com.	
bar.foo.MicronPC.com.	86400	IN	Α	216.23.46.83 Figure 20	

Figure 2C

## Example DDIU Update File

	363	365
362	<pre><path-1>/db.foo.MicronPC</path-1></pre>	modified
364	<pre><path-2>/db.foo.MicronPC</path-2></pre>	modified
366	<path-3>/db.abcd</path-3>	deleted

Figure 3B



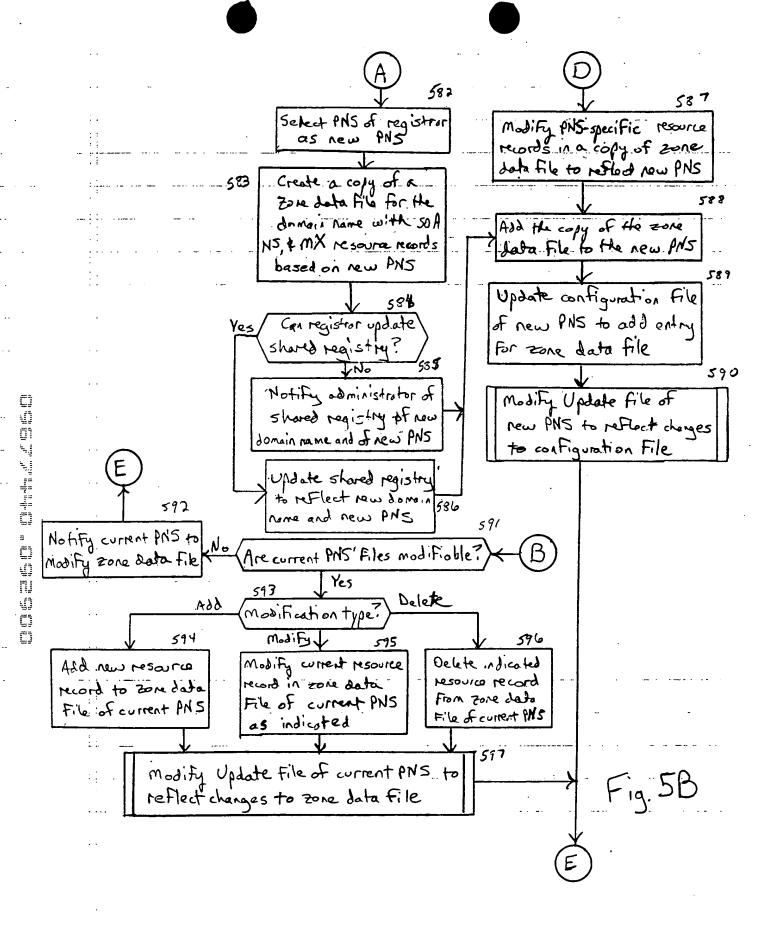
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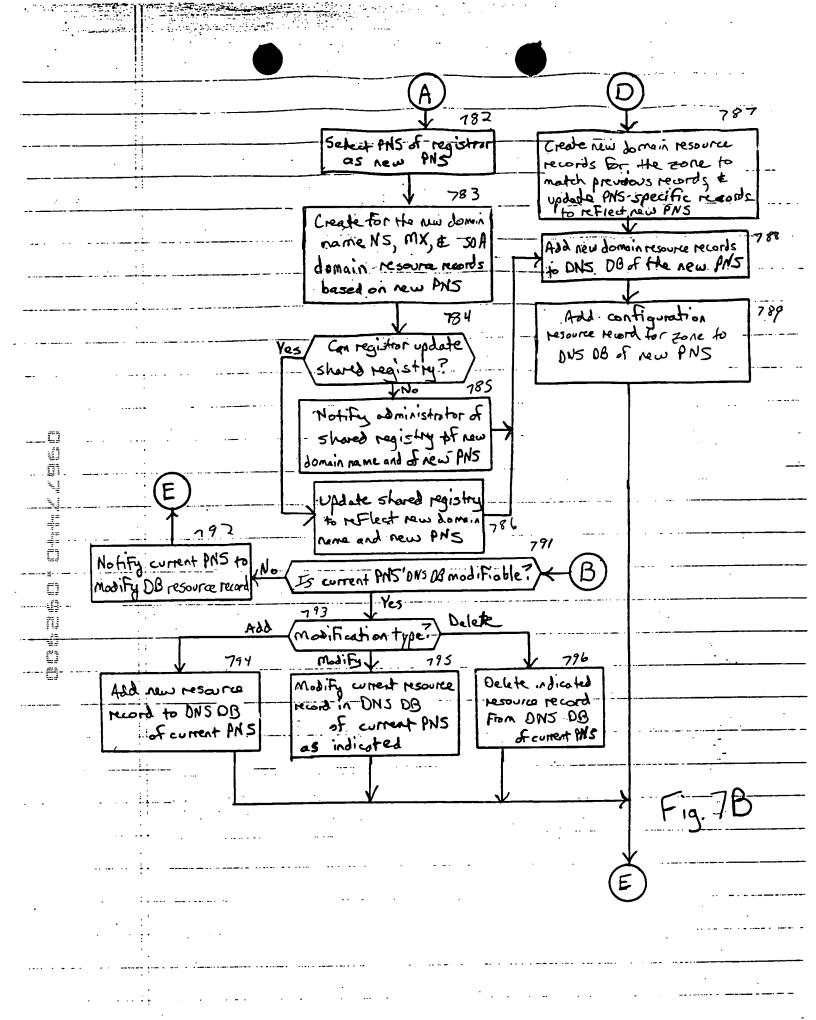


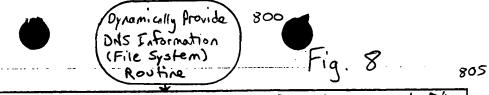
Modify Updole
File As Indicated Subroutine

Make indicated changes to indicated computer's Update File

Optionally notify indicated computer that Update file has been modified

RETURN 695





Read configuration data Alo to identify each zone data File 810 Retrieve and cache information from each Zone data file and its associated who is information Receive request for information about a domain name in one of the zones 820 Authorization needed? 725 No Receive authorization information 830 Authorization verified? ho 835 Retrieve updated domain name information if it 840 Yes 845 850 send cached information send updated information to requestor update cocked information 1855 with refrieved information 860 Yes More requests No 895 EN D

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